

FIG. 1

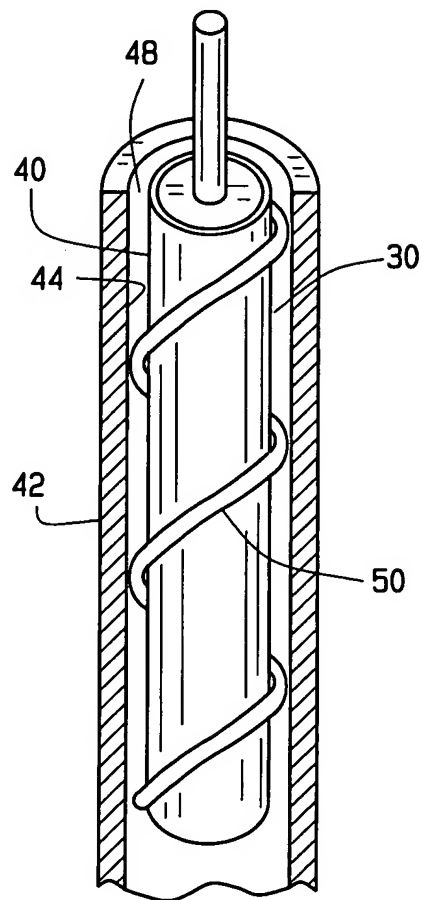


FIG. 2

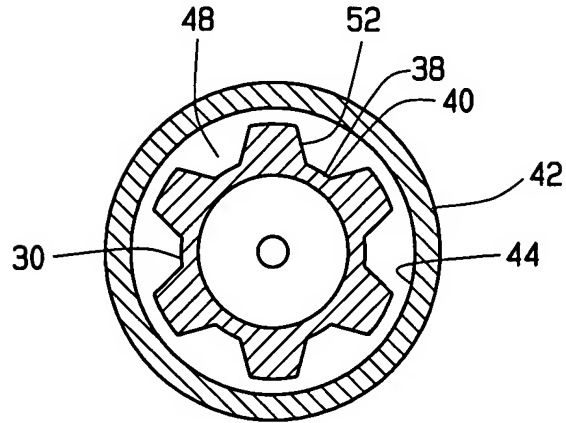


FIG. 3A

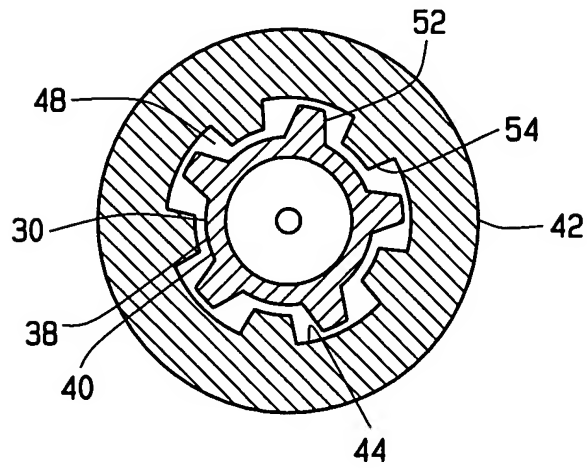


FIG. 3B

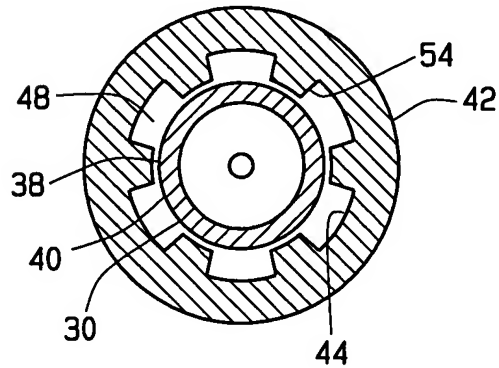
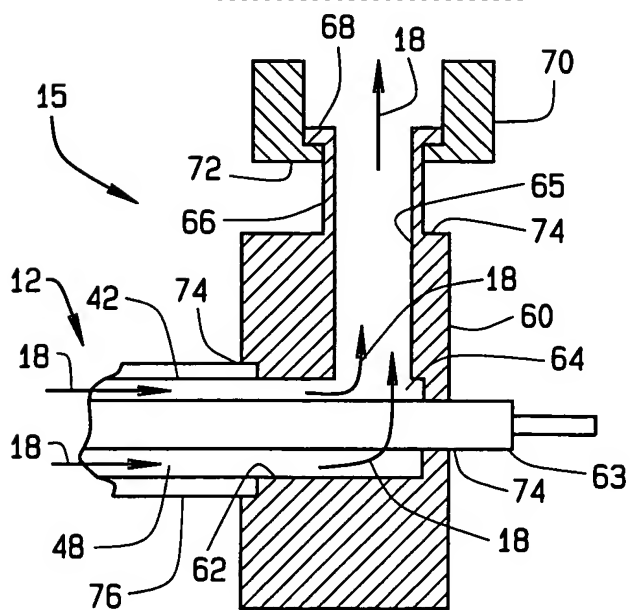
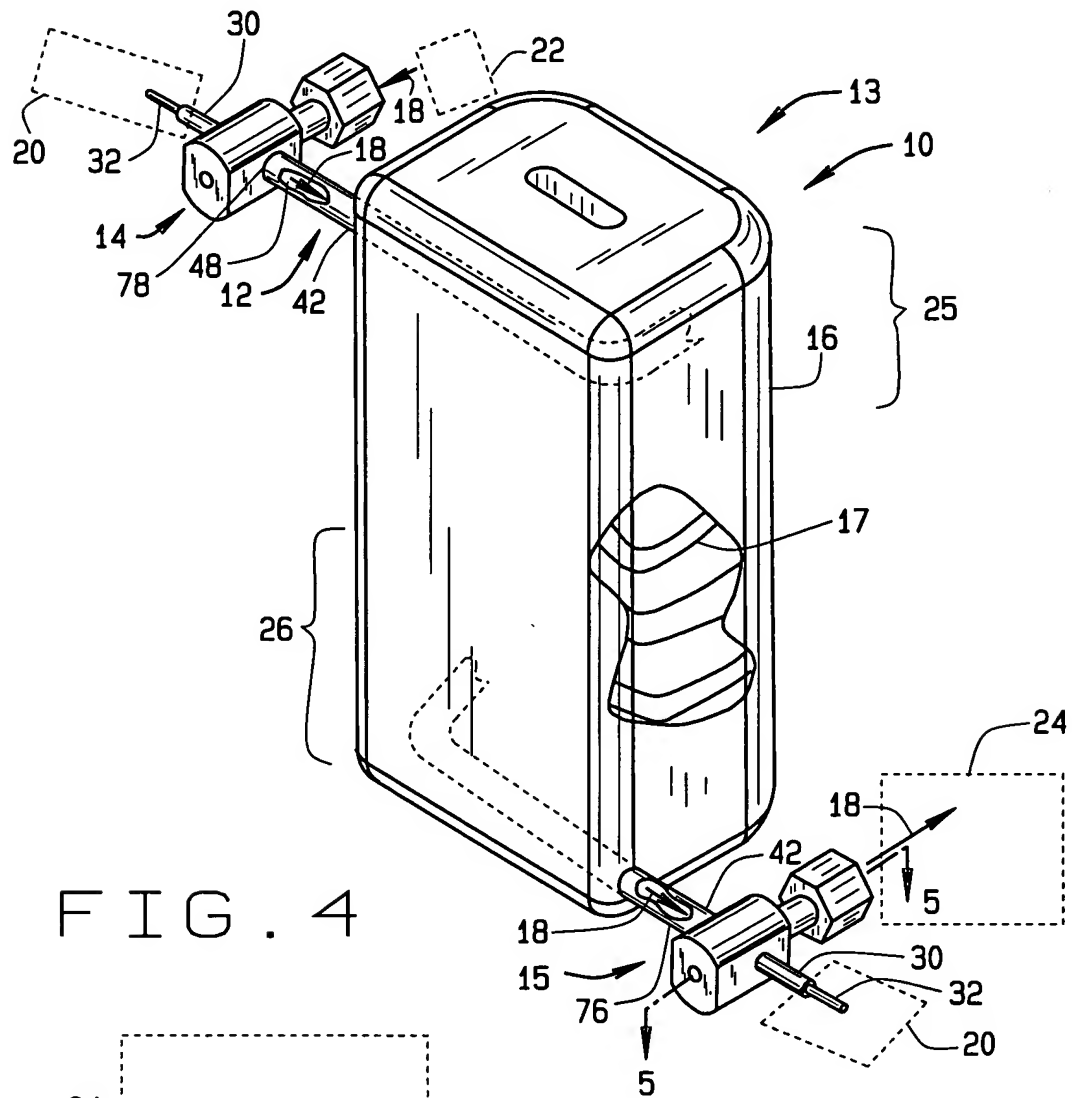
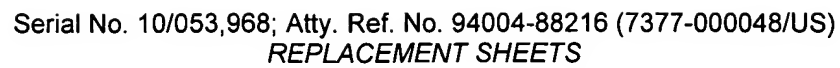


FIG. 3C



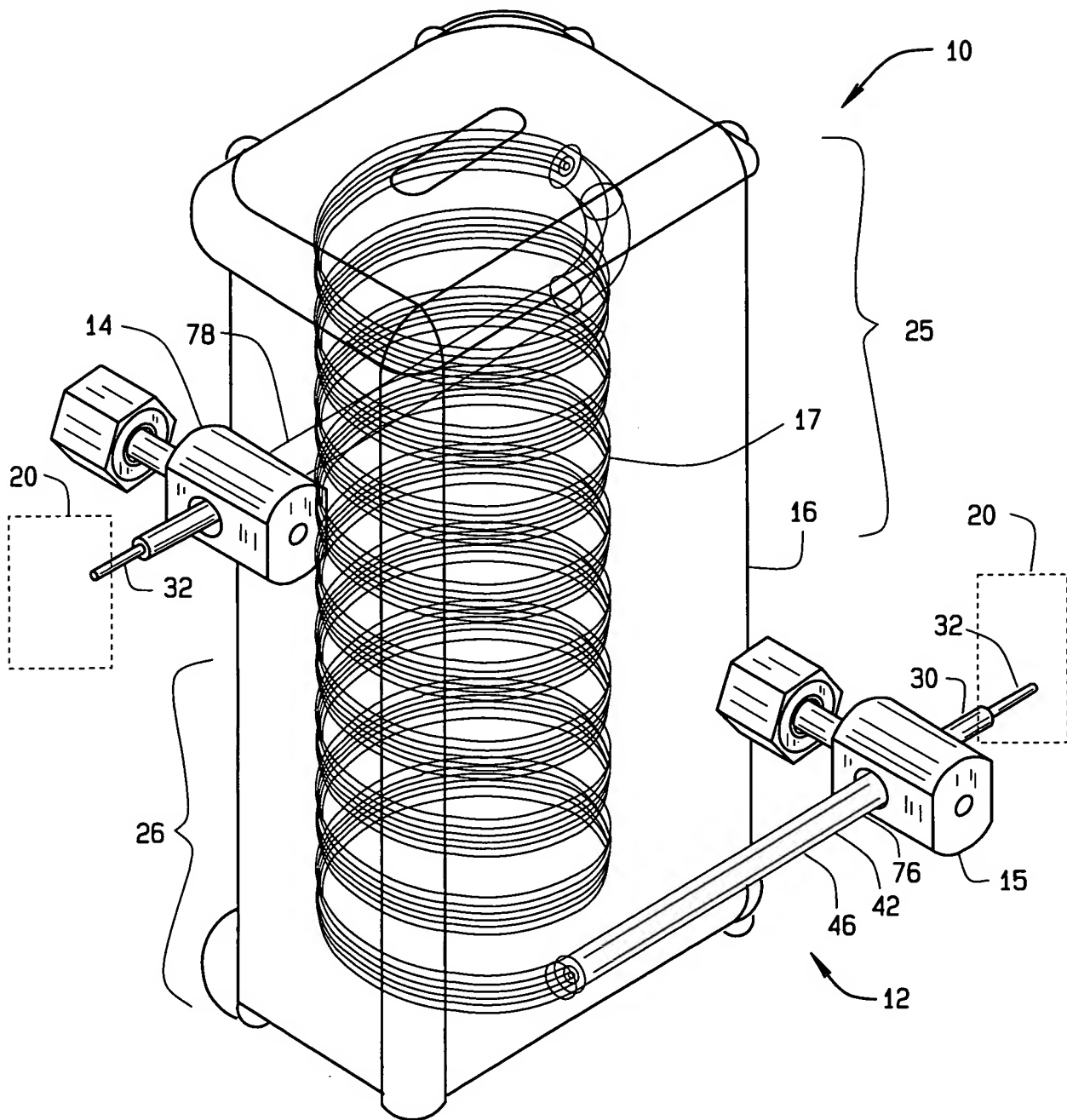


FIG. 6

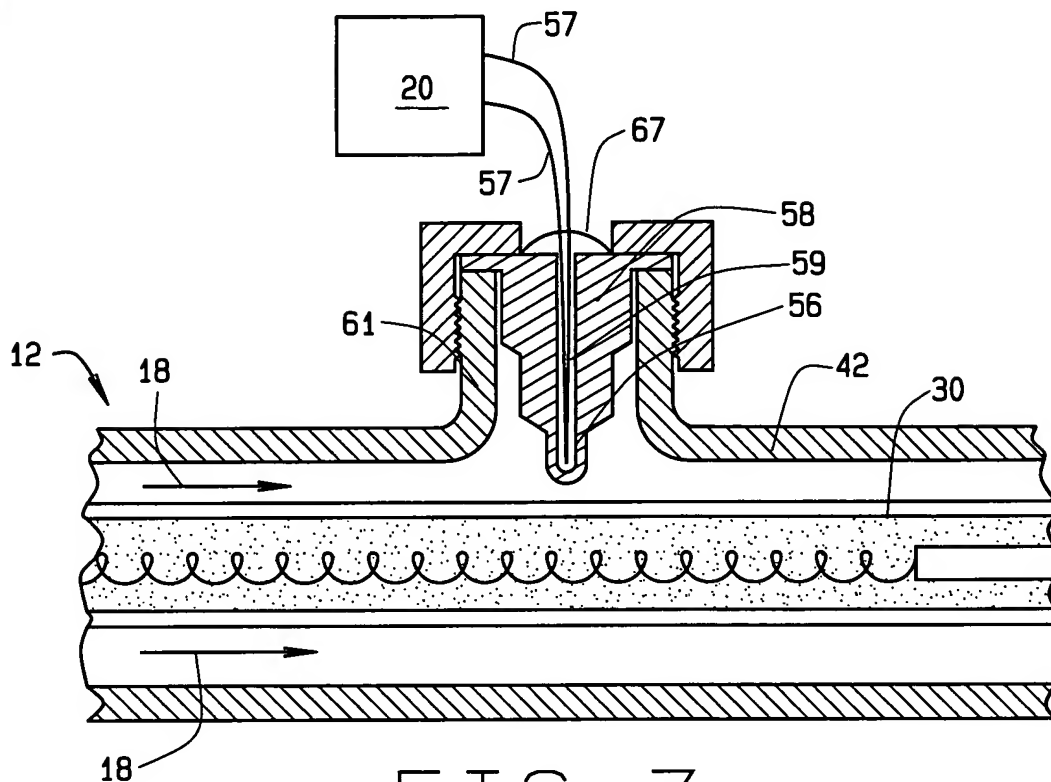


FIG. 7

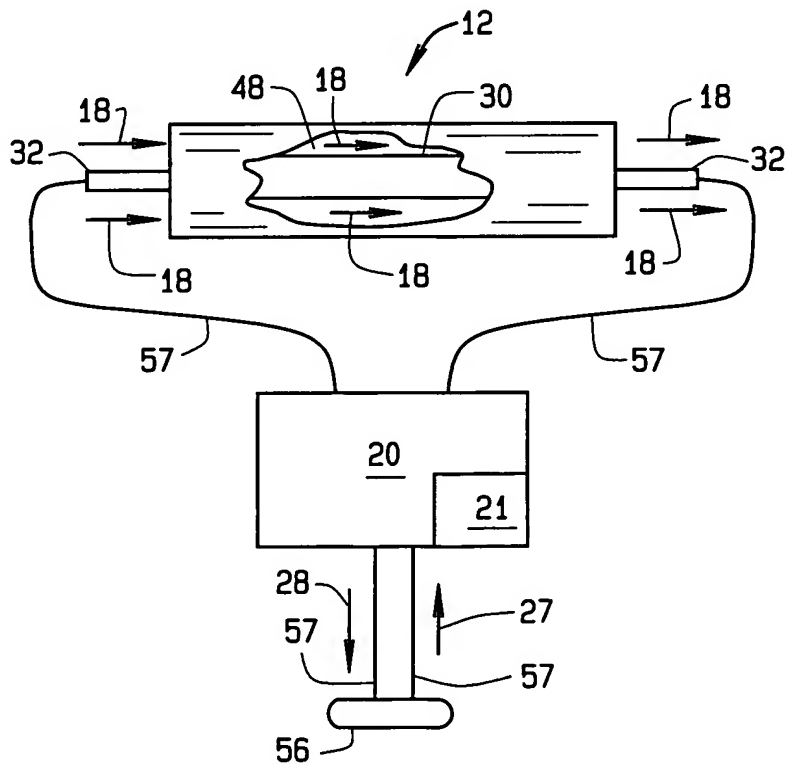


FIG. 8

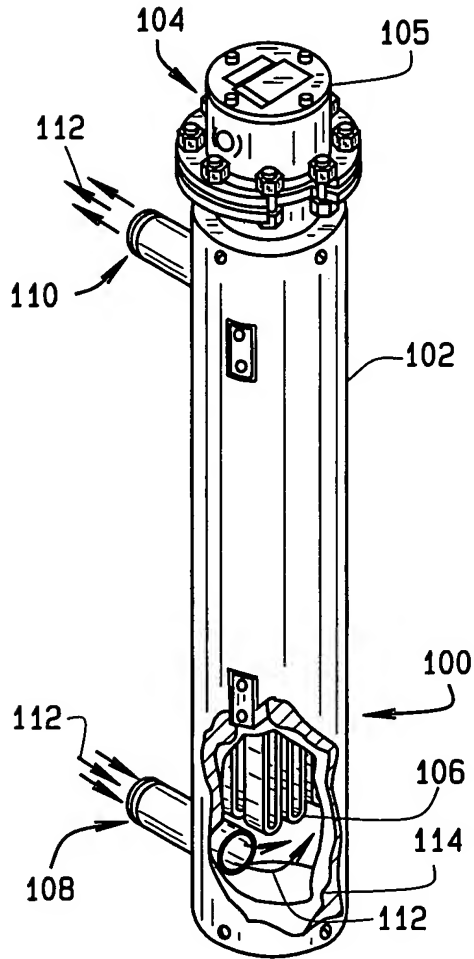


FIG. 9  
PRIOR ART

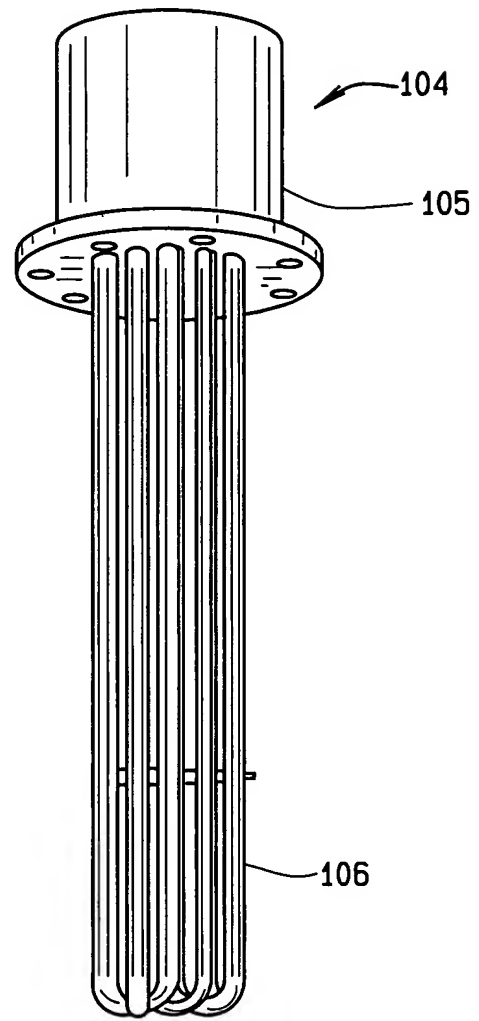


FIG. 9A  
PRIOR ART

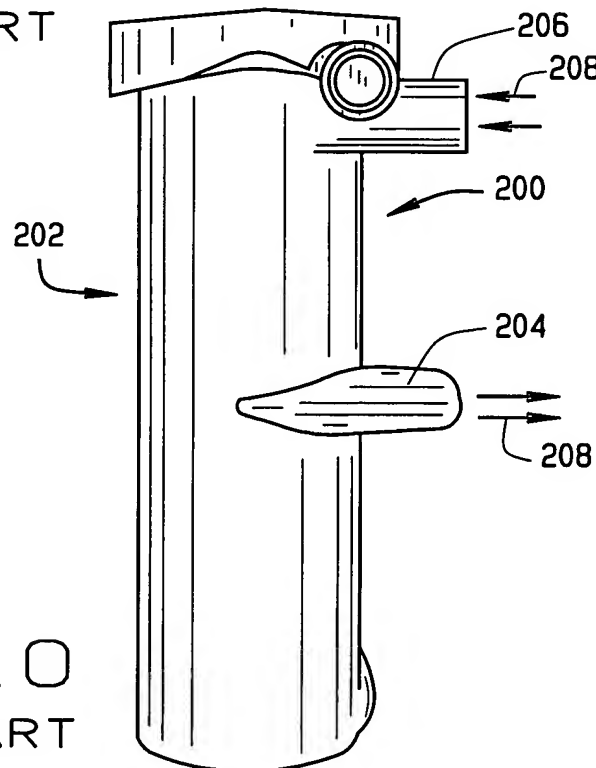


FIG. 10  
PRIOR ART

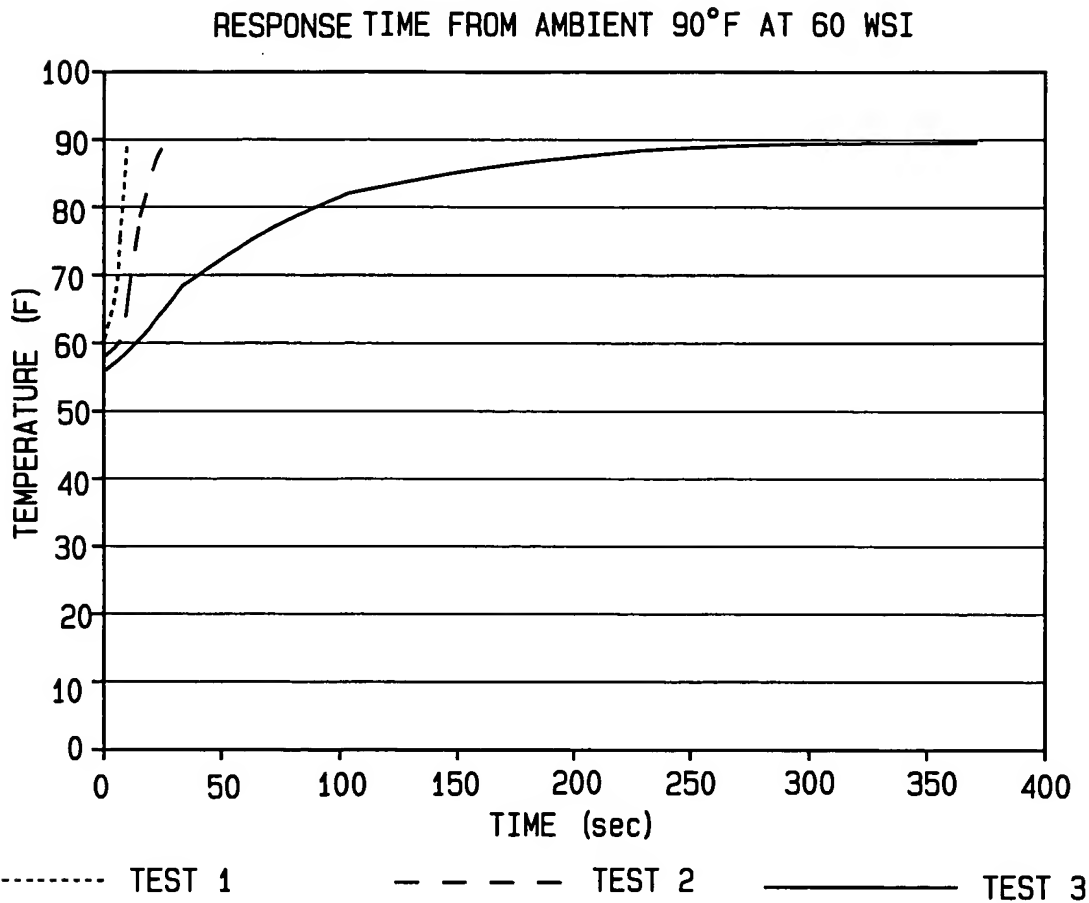


FIG. 11

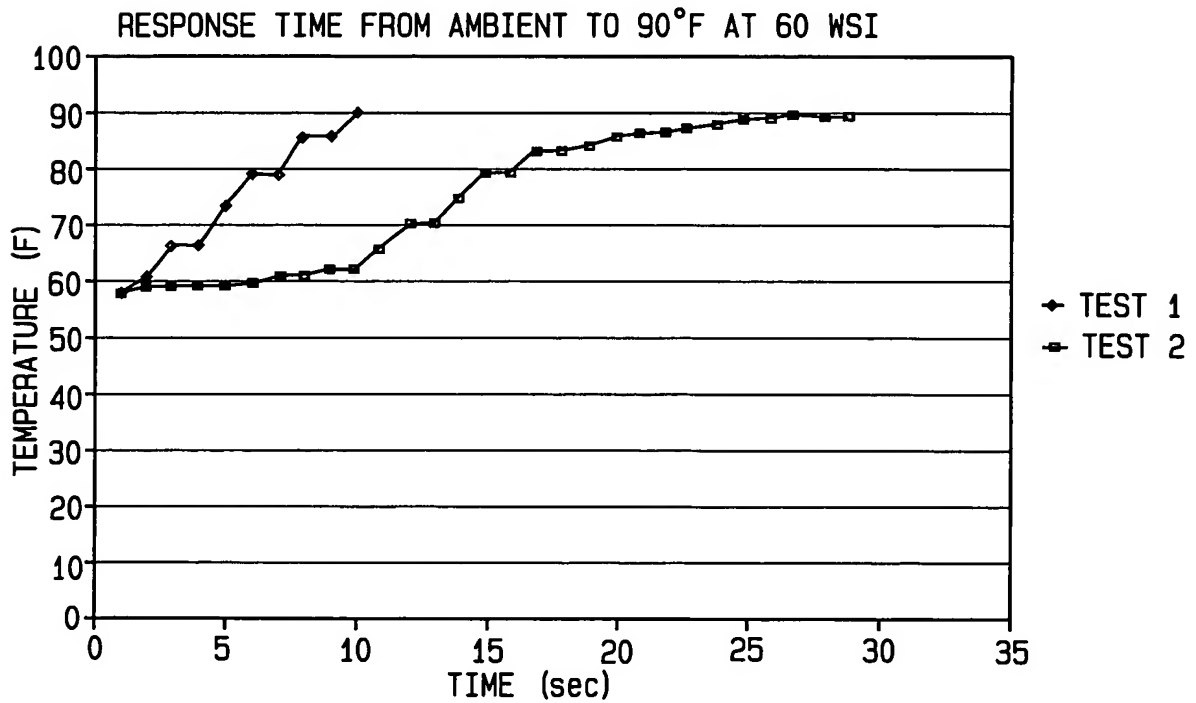


FIG. 12

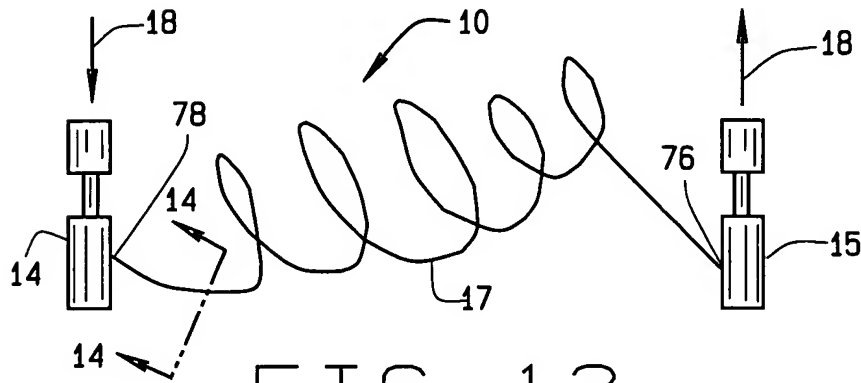


FIG. 13

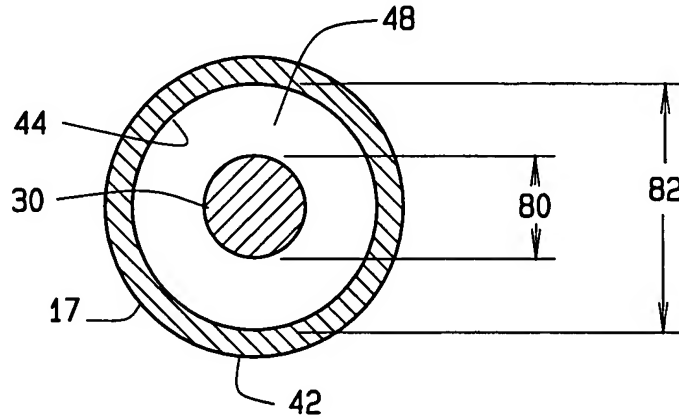


FIG. 14

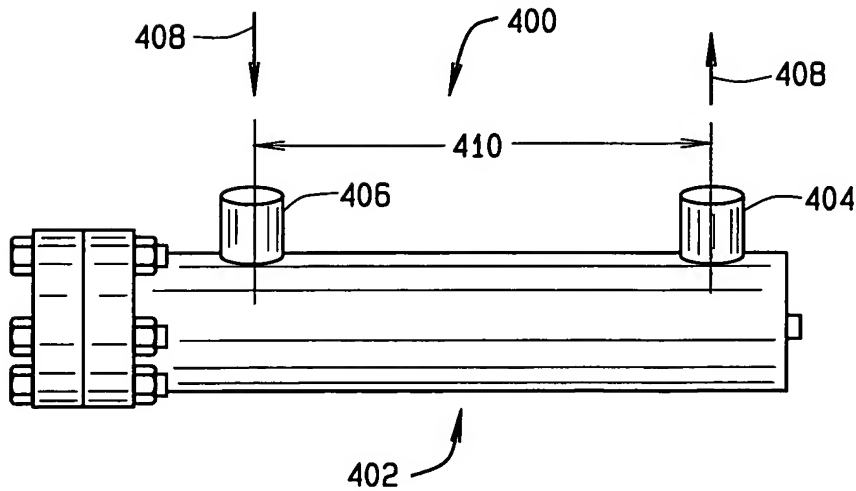


FIG. 15  
PRIOR ART

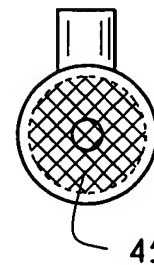


FIG. 16





THERMAL PROPERTIES OF AIR @ VARIOUS TEMPERATURES & 500 psig				
TEMPERATURE, F	68	216	500	1000
SPECIFIC HEAT CAPACITY, $C_p$	.241	.243	.250	.264
THERMAL CONDUCTIVITY, K	.0134	.0143	.0157	.0180
VISCOSITY, ABSOLUTE, $\mu$	.0442	.0540	.0715	.0977
DENSITY, $\rho$	2.62	2.06	1.43	0.94
$C_p = \text{BTU/lb-}^\circ\text{F}$ $K = \text{BTU/Ft-hr-}^\circ\text{F}$ $\mu = \text{lb/Ft-hr}$ $\rho = \text{lb/Ft}^3$				

FIG. 17